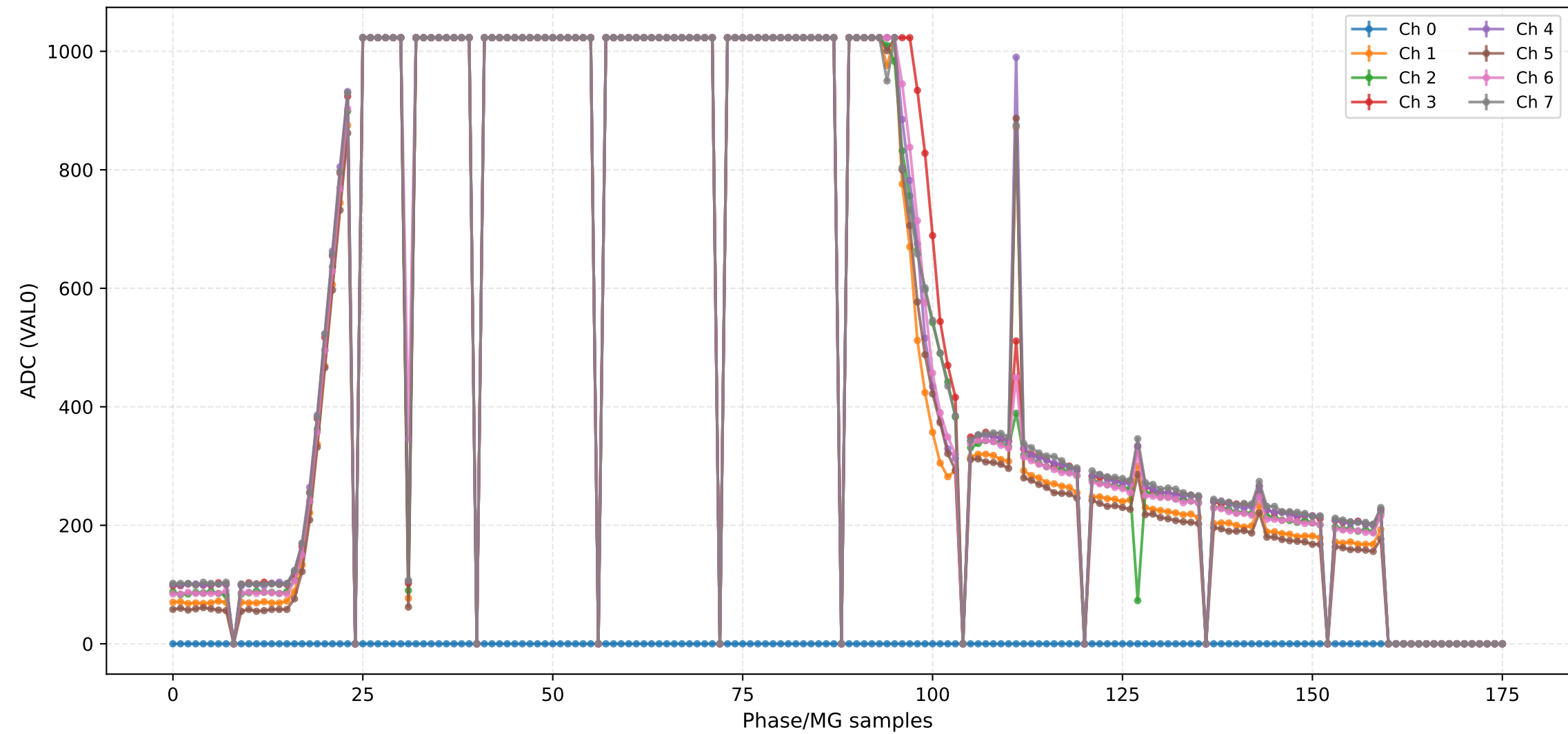


ADC (VAL0) - Channels 0 to 7



ADC (VAL0) - Channels 8 to 15



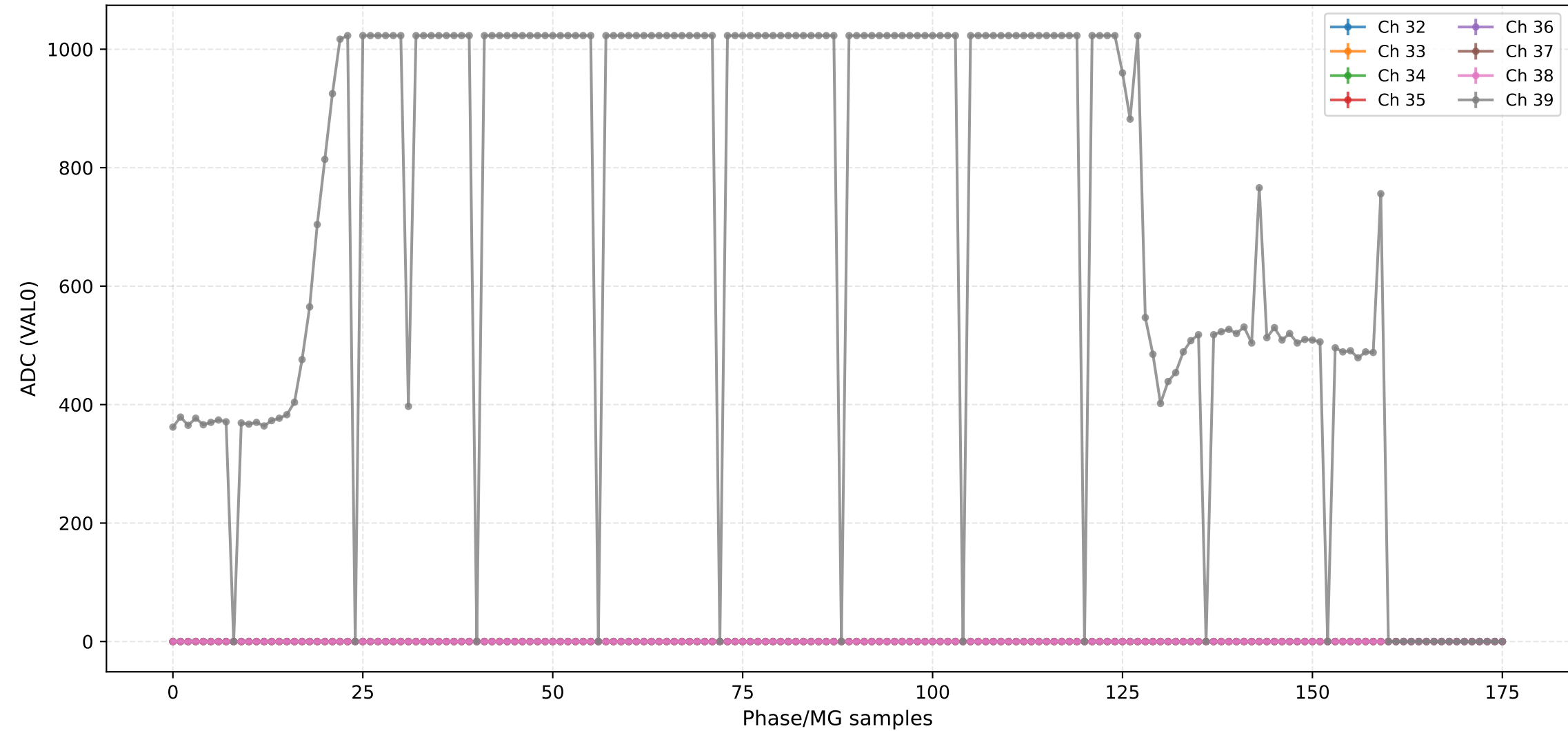
ADC (VAL0) - Channels 16 to 23



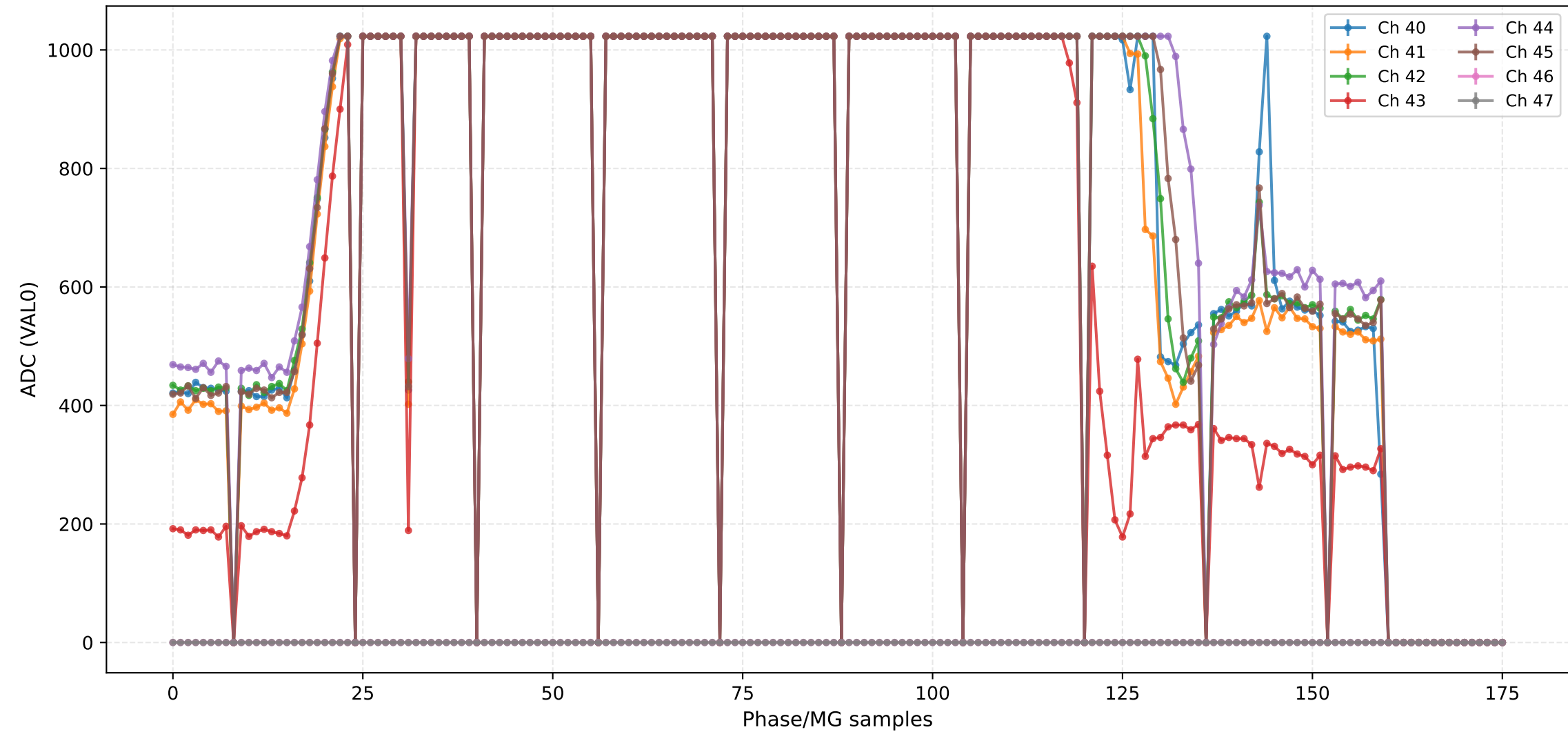
ADC (VAL0) - Channels 24 to 31



ADC (VAL0) - Channels 32 to 39



ADC (VAL0) - Channels 40 to 47



ADC (VAL0) - Channels 48 to 55



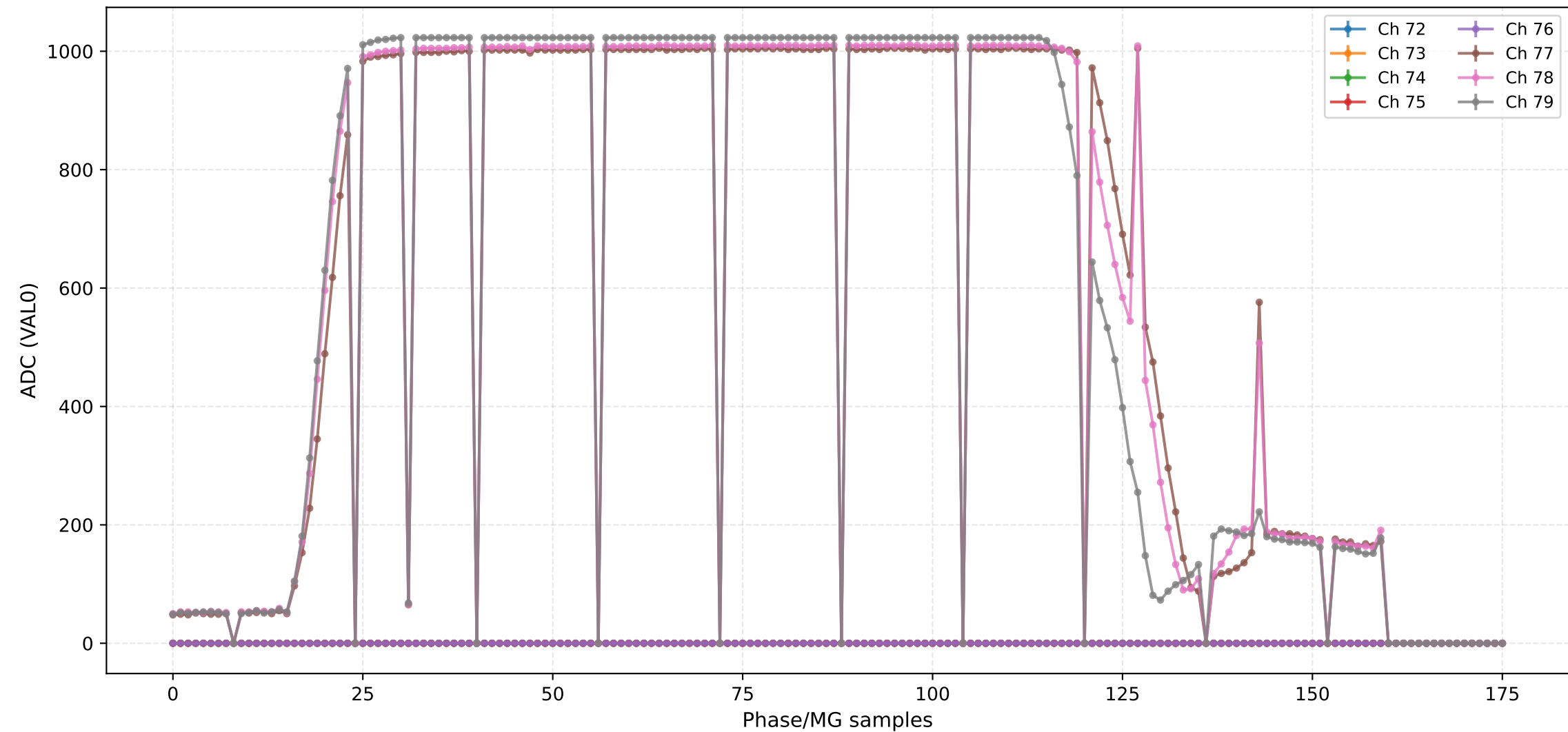
ADC (VAL0) - Channels 56 to 63



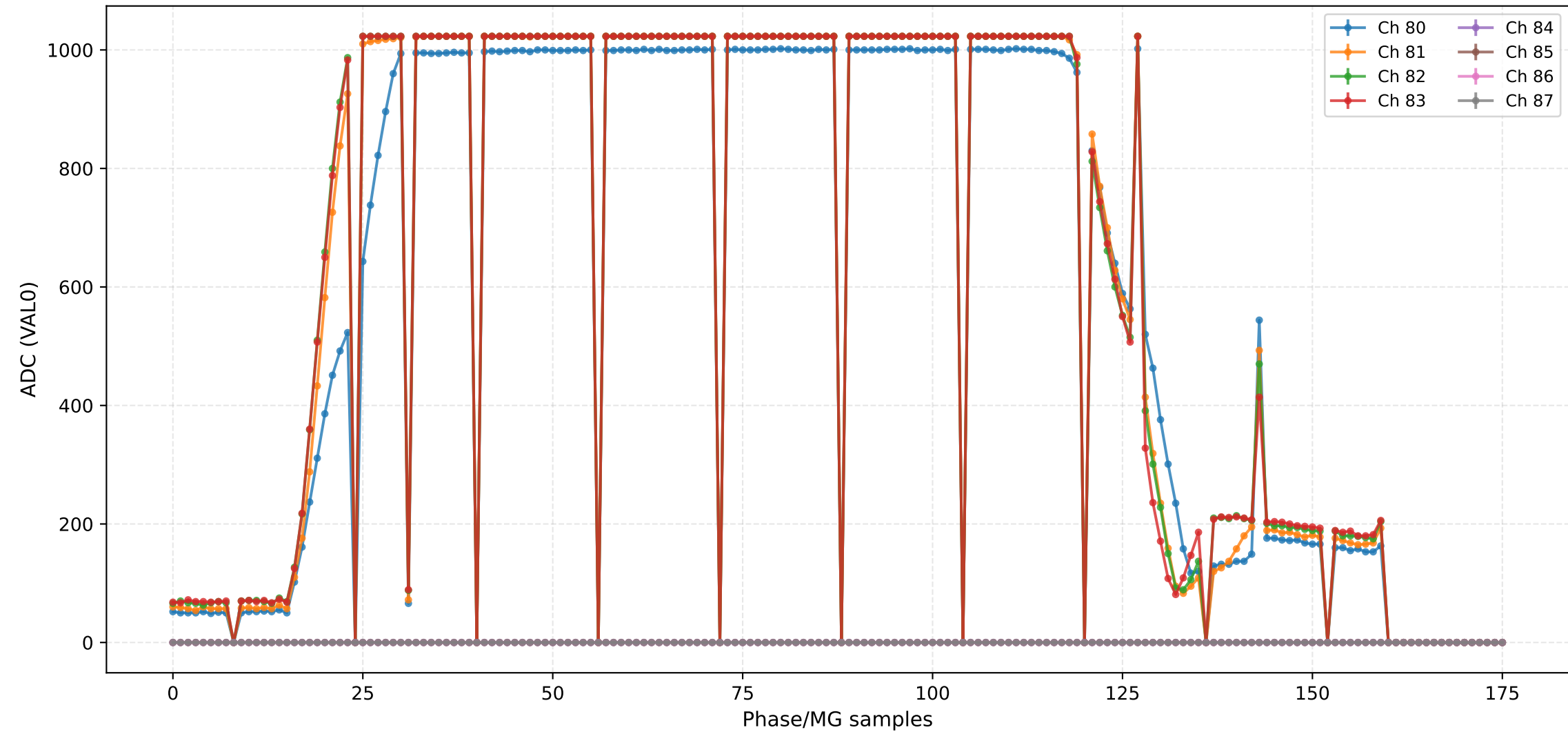
ADC (VAL0) - Channels 64 to 71



ADC (VAL0) - Channels 72 to 79



ADC (VAL0) - Channels 80 to 87



ADC (VAL0) - Channels 88 to 95



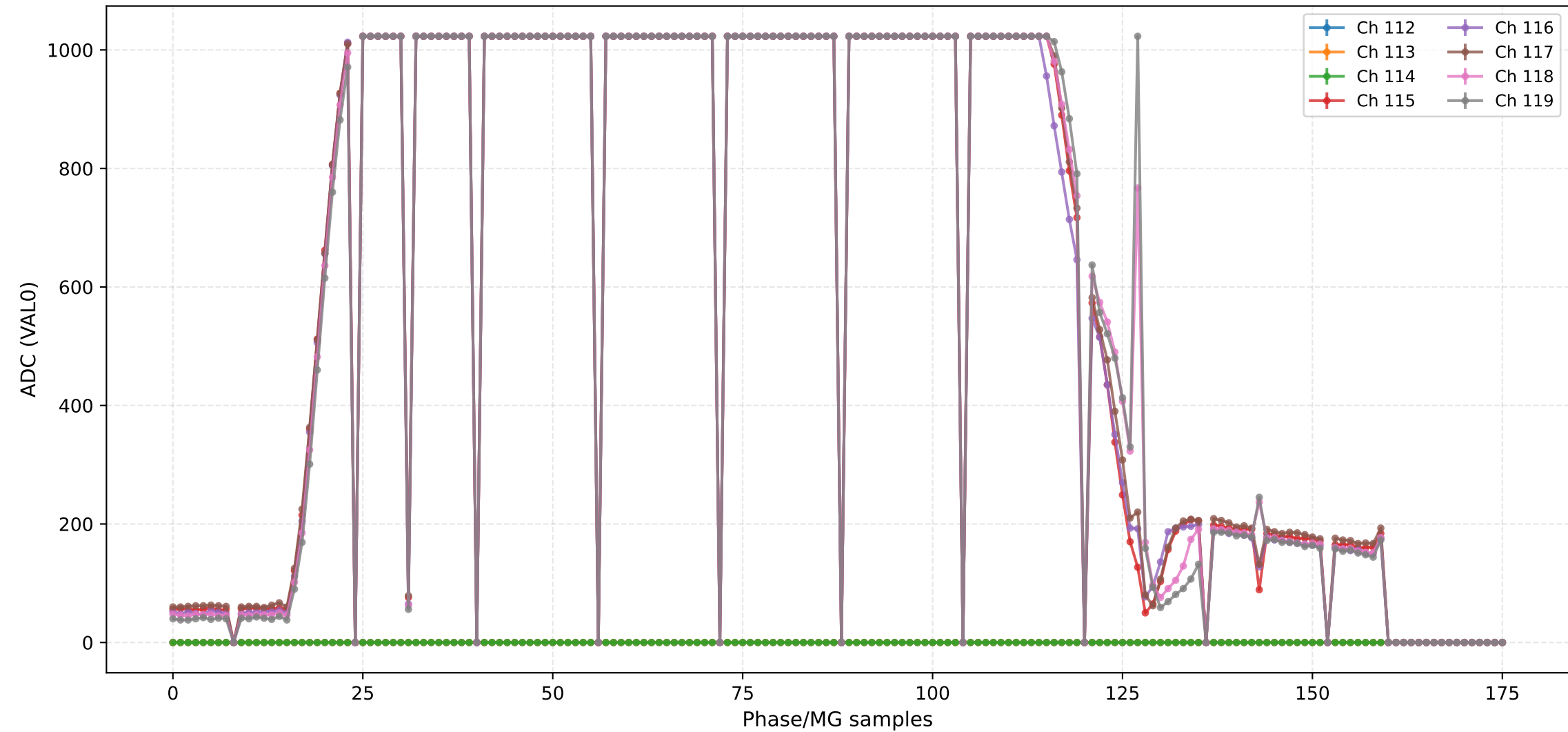
ADC (VAL0) - Channels 96 to 103



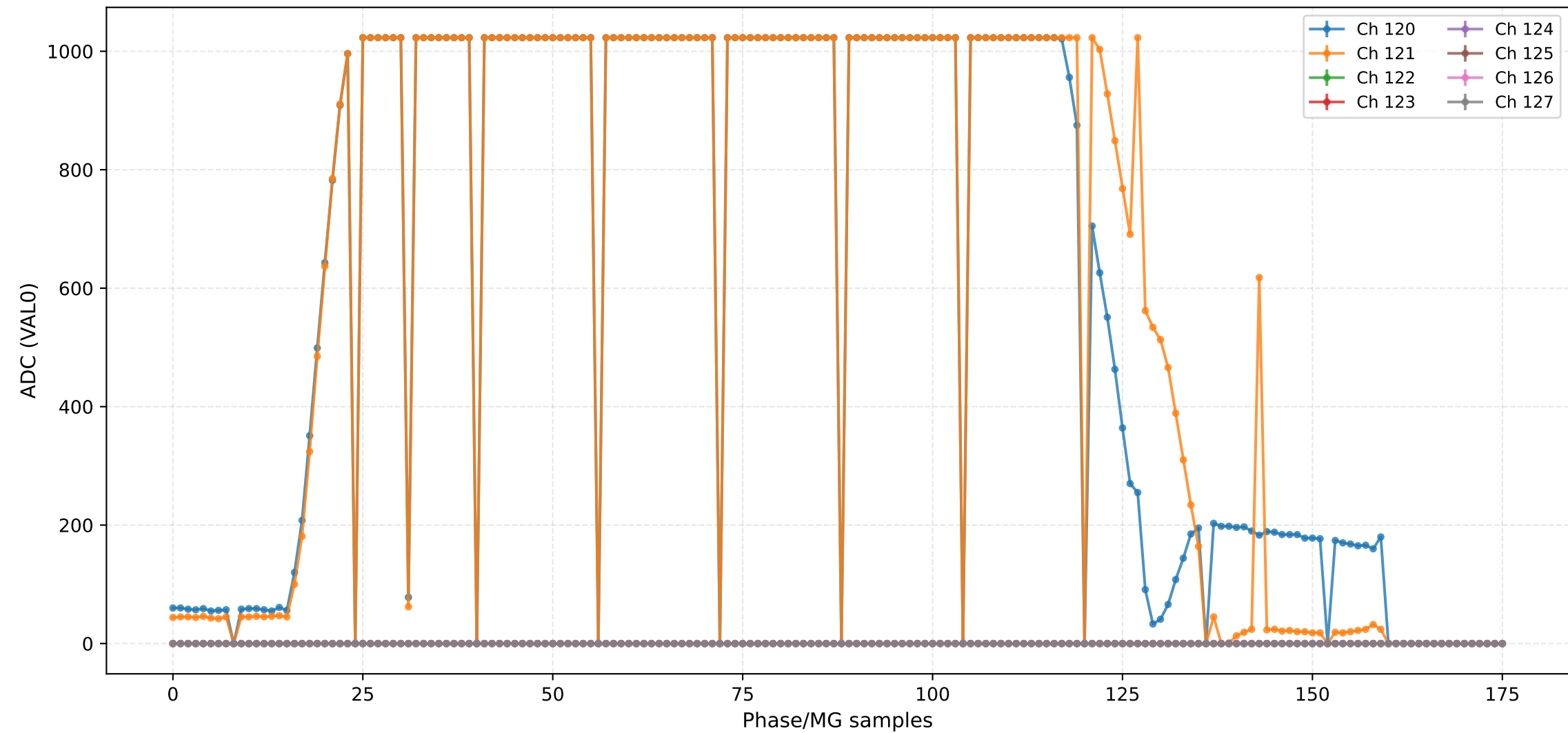
ADC (VAL0) - Channels 104 to 111



ADC (VAL0) - Channels 112 to 119



ADC (VAL0) - Channels 120 to 127



ADC (VAL0) - Channels 128 to 135



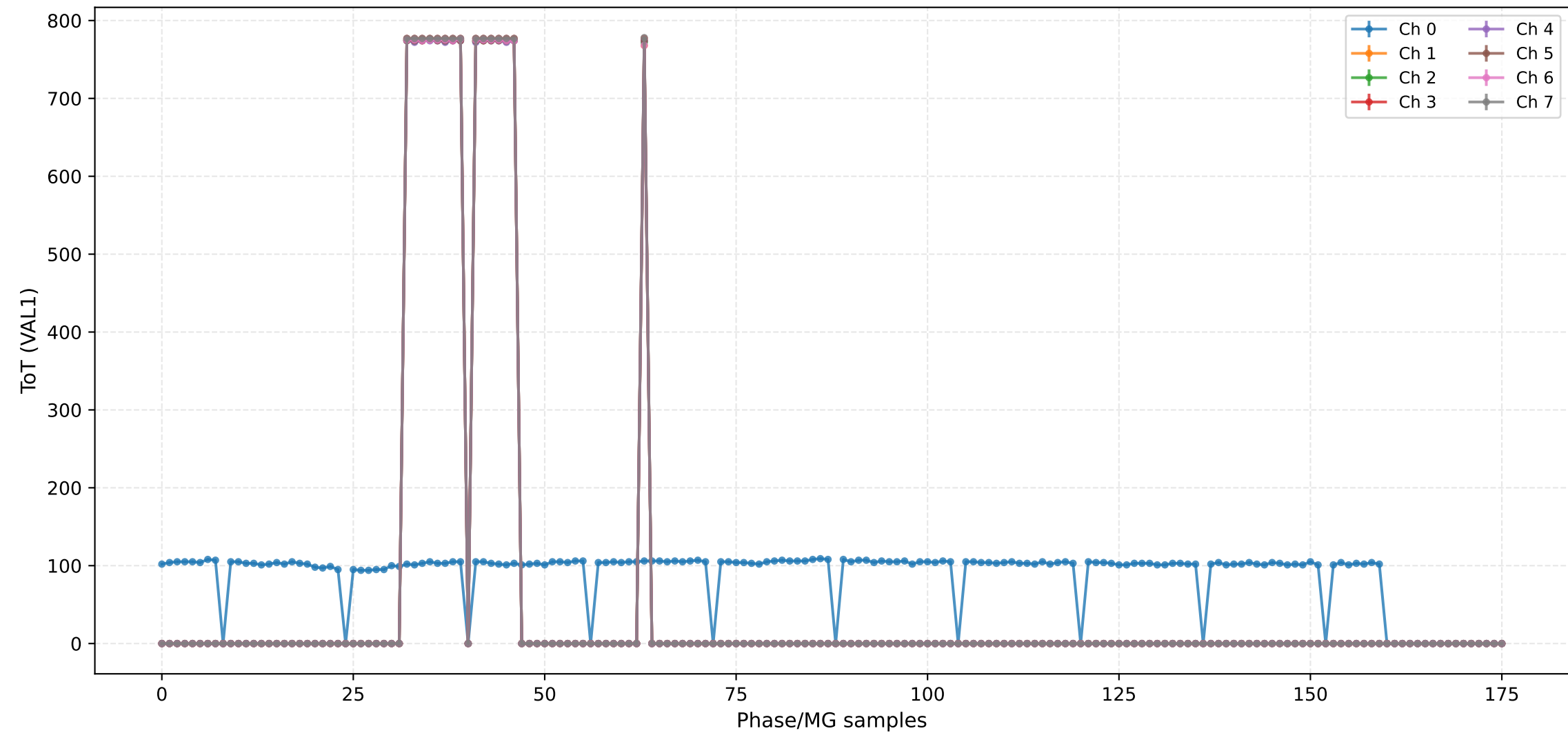
ADC (VAL0) - Channels 136 to 143



ADC (VAL0) - Channels 144 to 151



ToT (VAL1) - Channels 0 to 7



ToT (VAL1) - Channels 8 to 15



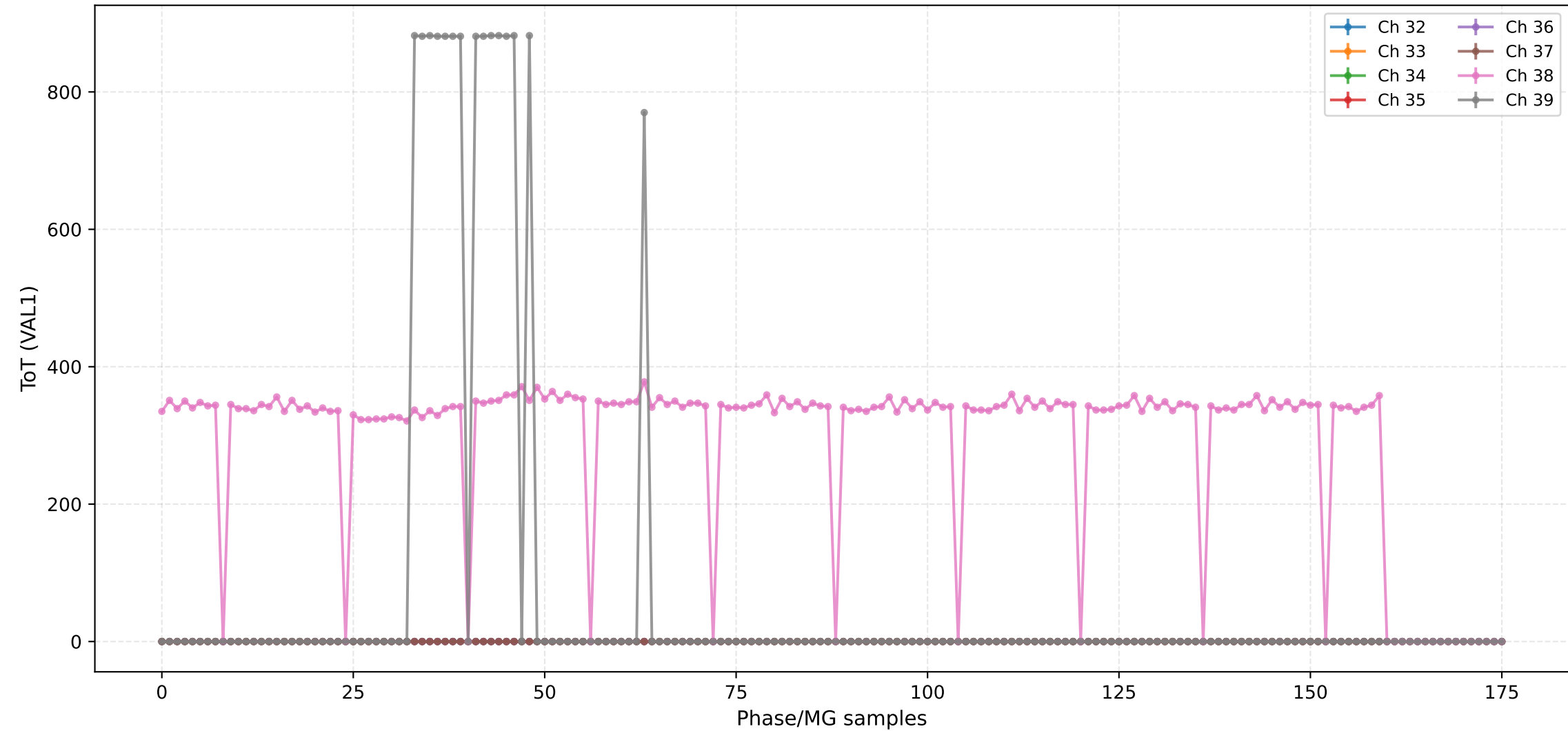
ToT (VAL1) - Channels 16 to 23



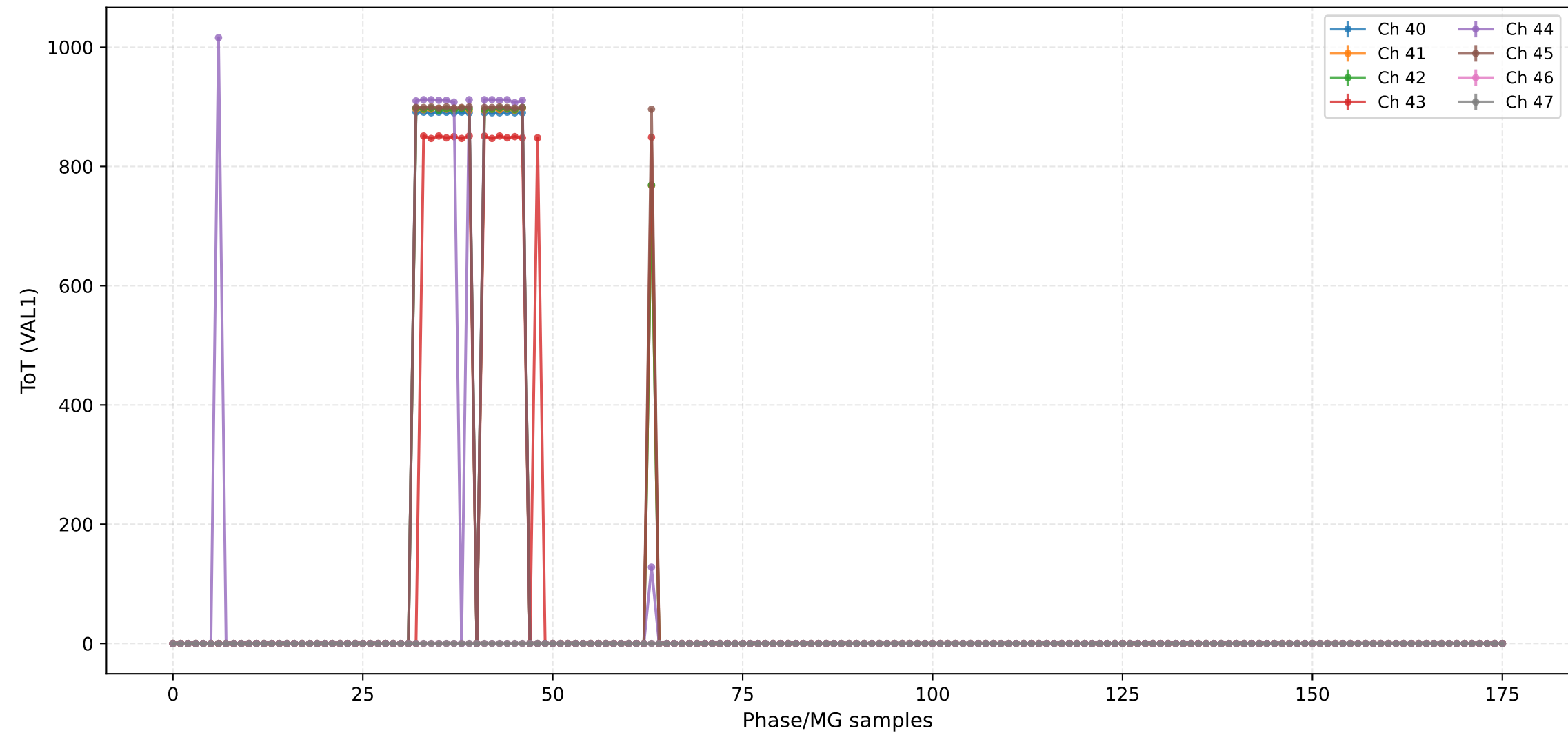
ToT (VAL1) - Channels 24 to 31



ToT (VAL1) - Channels 32 to 39



ToT (VAL1) - Channels 40 to 47



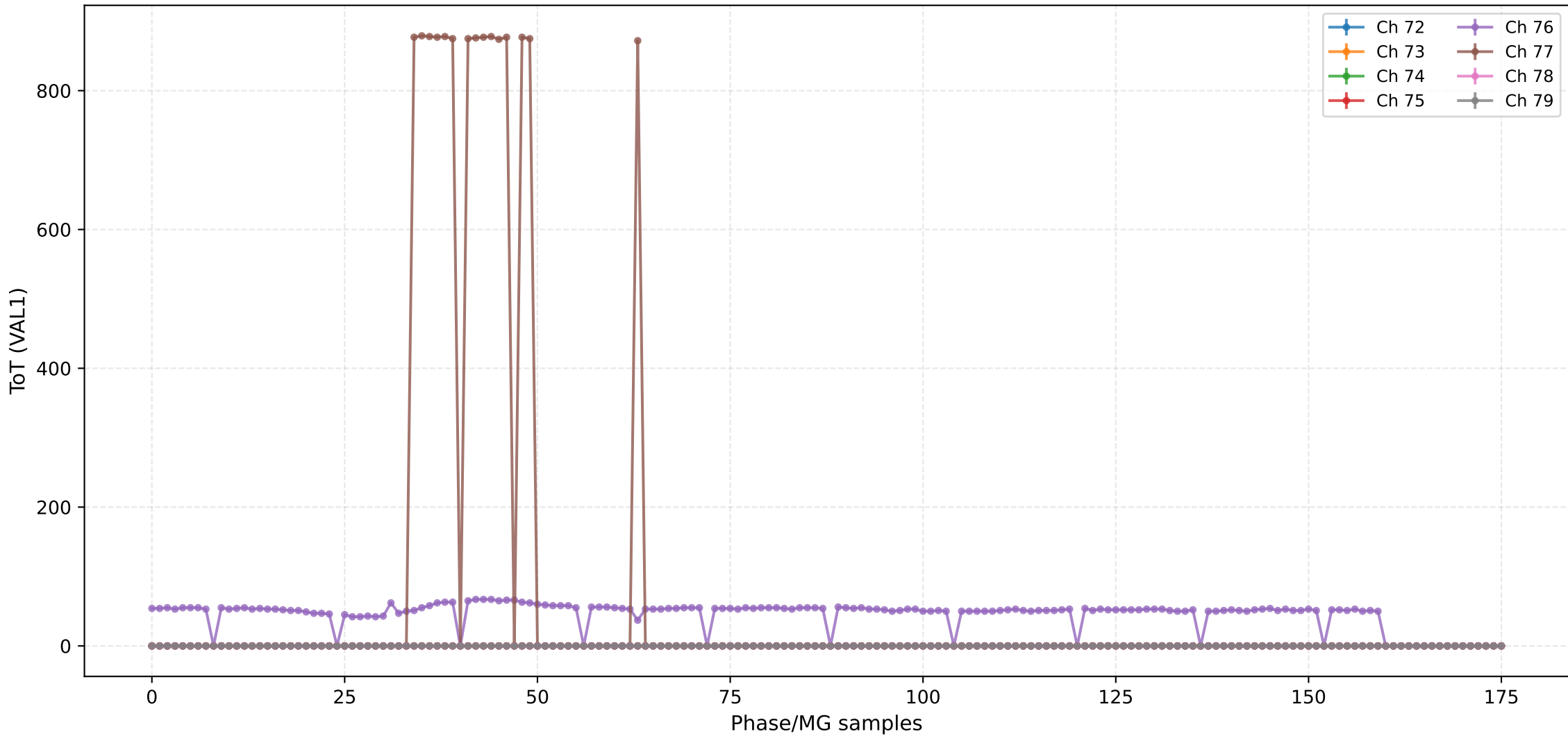
ToT (VAL1) - Channels 48 to 55



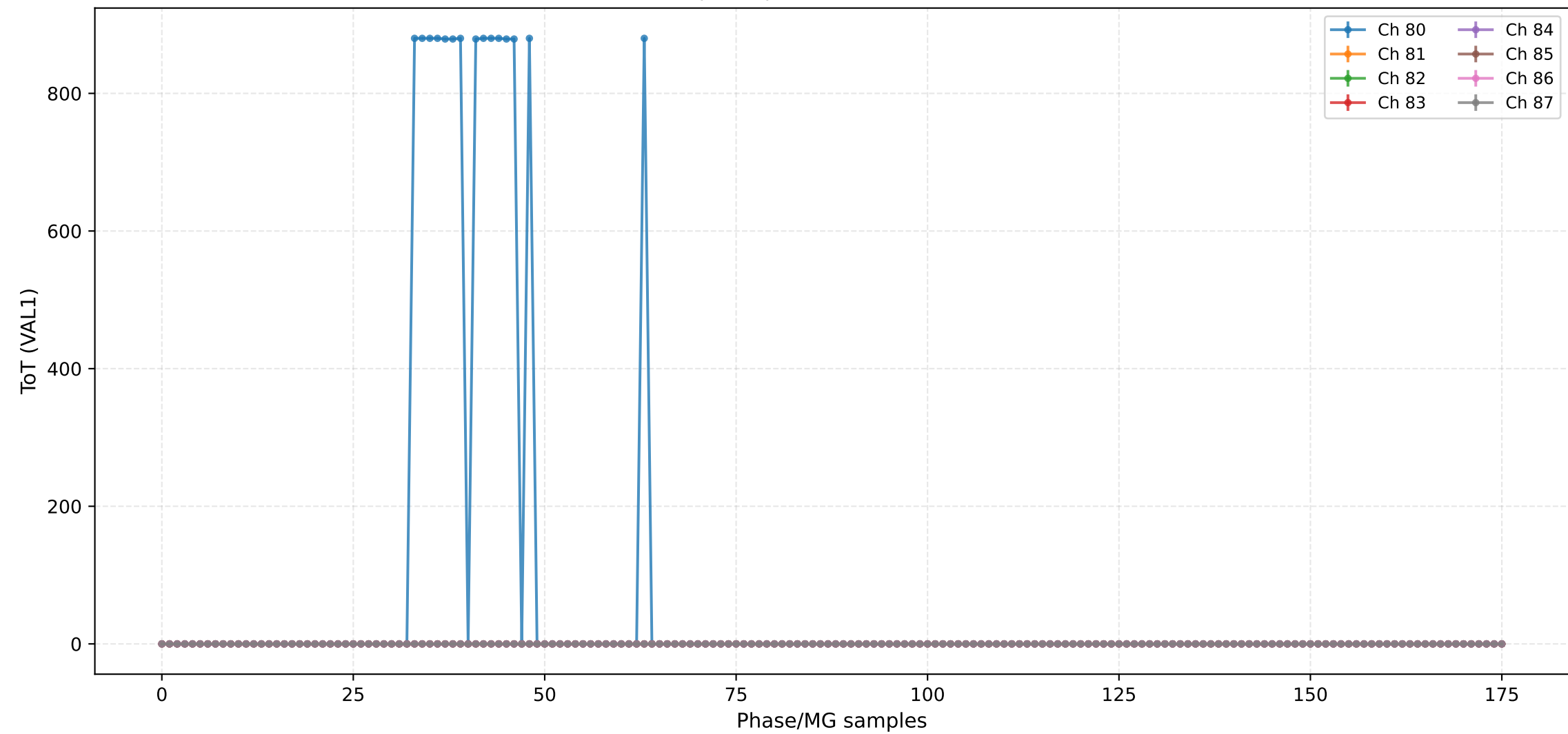
ToT (VAL1) - Channels 64 to 71



ToT (VAL1) - Channels 72 to 79



ToT (VAL1) - Channels 80 to 87



ToT (VAL1) - Channels 88 to 95



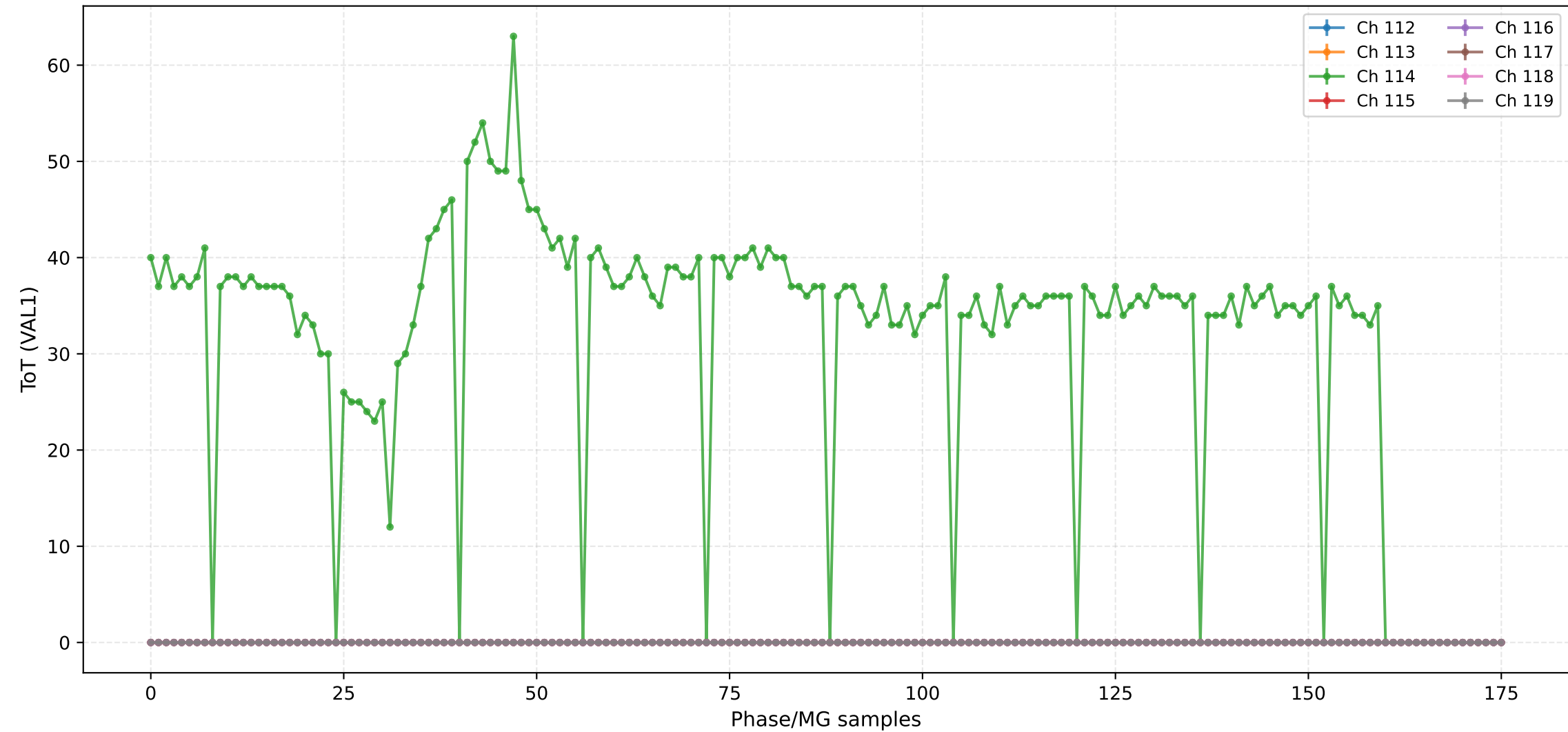
ToT (VAL1) - Channels 96 to 103



ToT (VAL1) - Channels 104 to 111



ToT (VAL1) - Channels 112 to 119



ToT (VAL1) - Channels 128 to 135



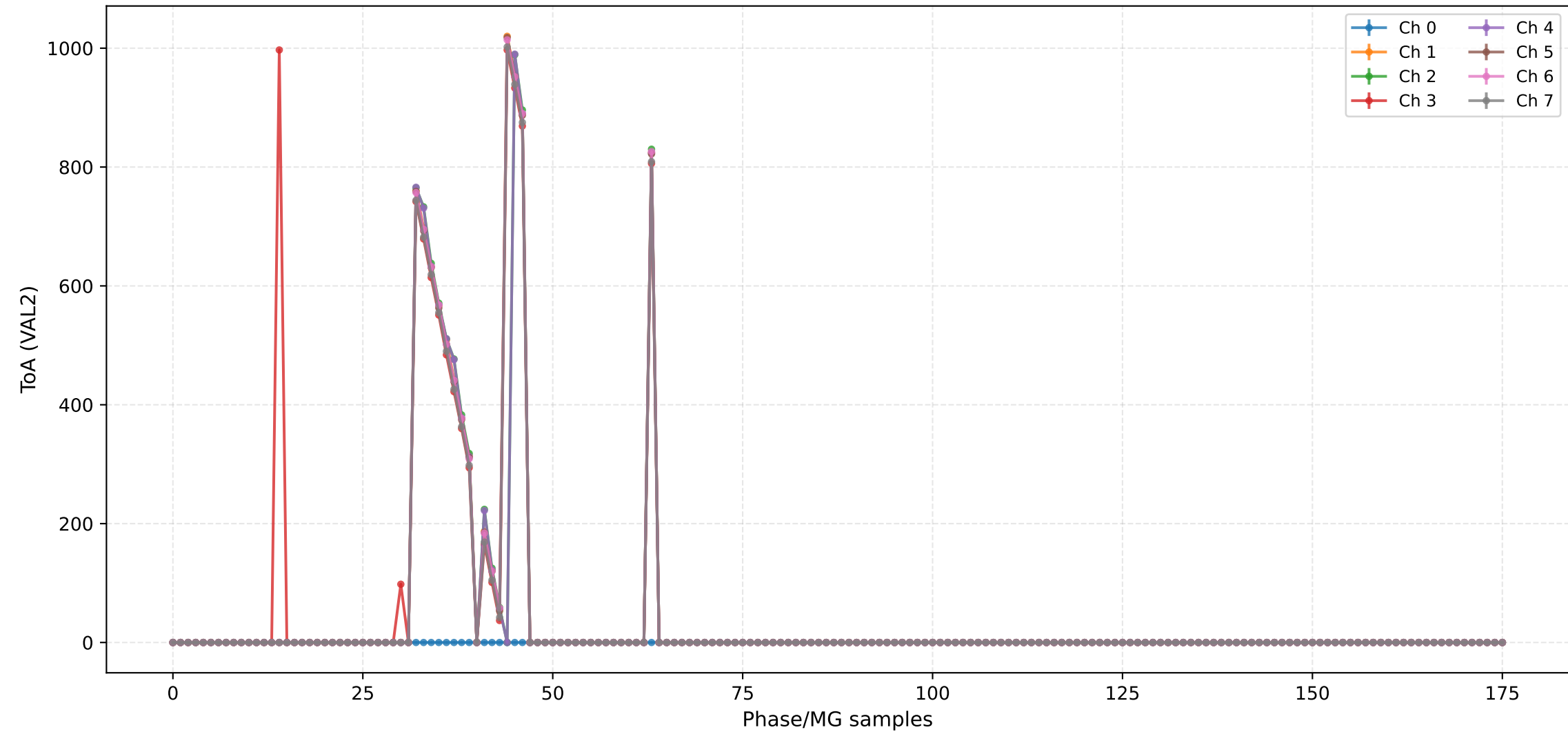
ToT (VAL1) - Channels 136 to 143



ToT (VAL1) - Channels 144 to 151



ToA (VAL2) - Channels 0 to 7



ToA (VAL2) - Channels 8 to 15



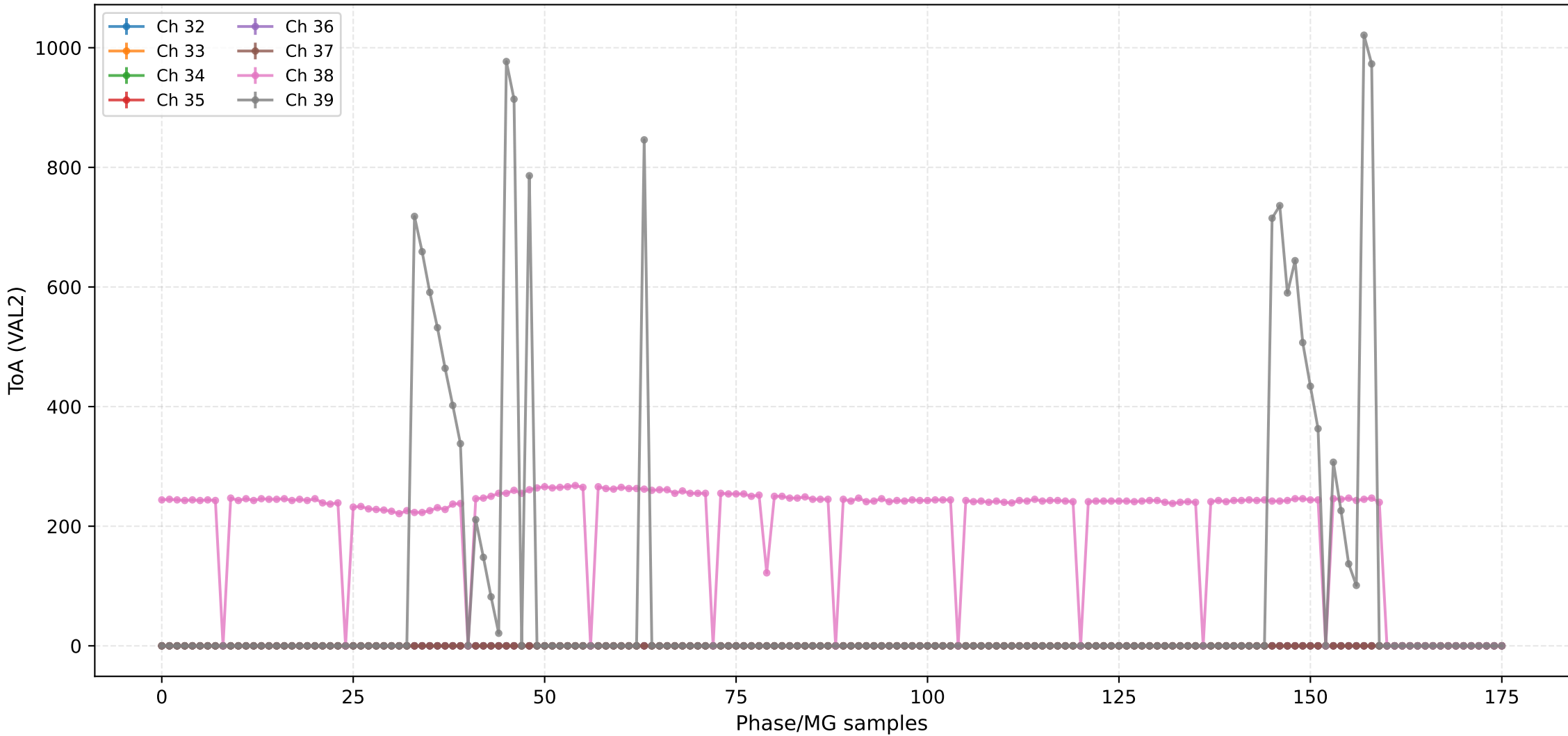
ToA (VAL2) - Channels 16 to 23



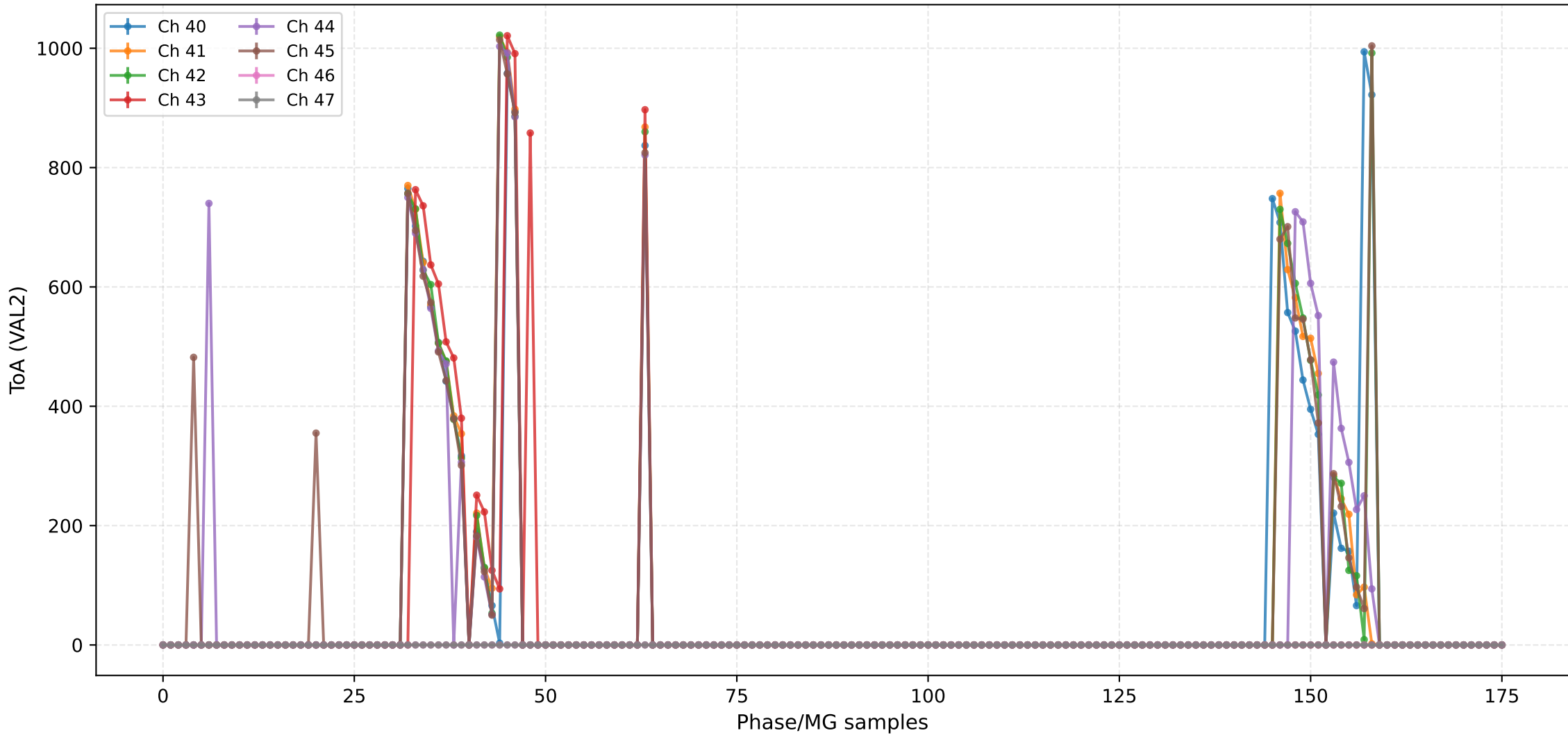
ToA (VAL2) - Channels 24 to 31



ToA (VAL2) - Channels 32 to 39



ToA (VAL2) - Channels 40 to 47



ToA (VAL2) - Channels 48 to 55



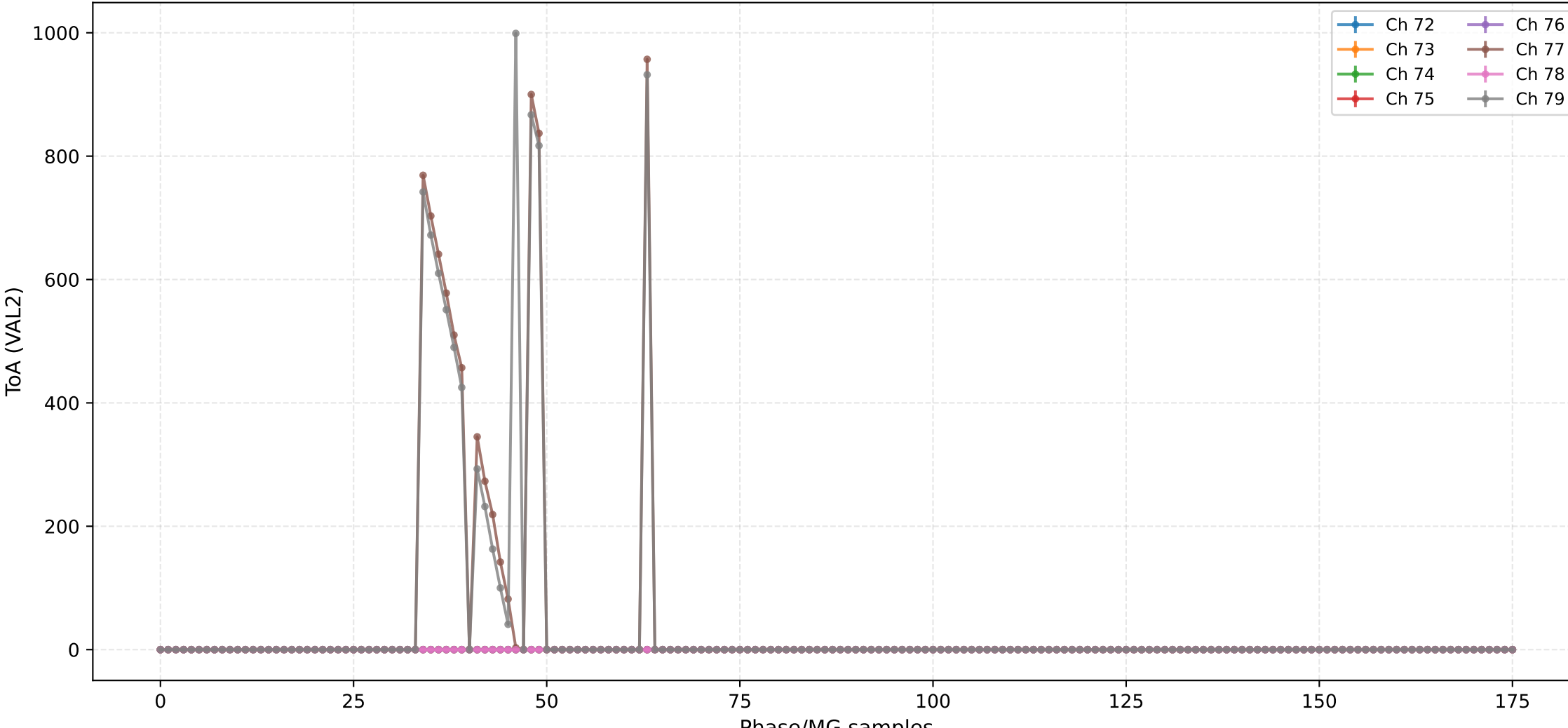
ToA (VAL2) - Channels 56 to 63



ToA (VAL2) - Channels 64 to 71



ToA (VAL2) - Channels 72 to 79



ToA (VAL2) - Channels 88 to 95



ToA (VAL2) - Channels 96 to 103



ToA (VAL2) - Channels 104 to 111



ToA (VAL2) - Channels 112 to 119



The figure displays the time evolution of the expectation value of the Pauli matrix σ_y for six different channels (Ch 128 to Ch 133). The x-axis represents time from 0 to 150, and the y-axis represents the expectation value from -1 to 1. A horizontal dashed line is drawn at $y=0$. All channels show a constant value of 0 throughout the time evolution.



The graph displays the time evolution of the expectation value of the Pauli matrix σ_y for five different channels (Ch 136 to Ch 139). The x-axis represents time in units of 10^{-12} s, ranging from 0 to 150. The y-axis represents the expectation value, ranging from -0.5 to 0.5. All five channels show a constant value of approximately 0.05 throughout the entire time range.

| Channel | Color | Symbol | Expectation Value (σ_y) |
|---------|--------|--------|----------------------------------|
| Ch 136 | Blue | Star | ~0.05 |
| Ch 137 | Orange | Star | ~0.05 |
| Ch 138 | Green | Star | ~0.05 |
| Ch 139 | Red | Star | ~0.05 |
| Ch 140 | Grey | Star | ~0.05 |



ToA (VAL2) - Channels 144 to 151



Injection Scan Results

Script: 205_Injection v1.0

Date: 2025-12-13 00:37:36

Configuration:

- Total ASICs: 2
- Injection DAC: 1550
- Machine Gun: 10
- Scan Pack: 2
- Scan Channels: 16
- 2.5V Injection: True
- High Range Injection: False

Analog Settings:

- RF: 0x-1
- CF: 0x-1
- CC: 0x-1
- CF Comp: 0x-1

Output Files:

- 205_Injection_asic2_injdac1550_mg10_pack2_chn16_val0.csv
- 205_Injection_asic2_injdac1550_mg10_pack2_chn16_val1.csv
- 205_Injection_asic2_injdac1550_mg10_pack2_chn16_val2.csv